

APPENDIX A
2814-G Pending Claims

1. An isolated DNA encoding a hek-L protein capable of binding hek, wherein said DNA comprises a nucleotide sequence that is at least 80% identical to a sequence selected from the group consisting of nucleotides 83-796, 83-745, 140-796, and 140-745 of SEQ ID NO:1.

3. An isolated DNA encoding a hek-L protein capable of binding hek, wherein said DNA comprises a nucleotide sequence that is at least 80% identical to a sequence selected from the group consisting of nucleotides 28-630, 28-573, 94-630, and 94-573 of SEQ ID NO:3.

5. An isolated DNA encoding a human hek-L protein capable of binding hek, wherein said hek-L comprises an amino acid sequence that is at least 80% identical to a sequence selected from the group consisting of amino acids 1-202 and 1-219 of SEQ ID NO:2 and amino acids 1-160 and 1-179 of SEQ ID NO:4.

7. An isolated DNA encoding a fusion protein comprising a hek-L polypeptide that binds hek, and an Fc polypeptide, wherein said hek-L comprises an amino acid sequence that is at least 80% identical to a sequence selected from the group consisting of amino acids 1-202 of SEQ ID NO:2 and amino acids 1-160 of SEQ ID NO:4.

8. An expression vector comprising a DNA according to claim 1.

9. An expression vector comprising a DNA according to claim 3.

10. An expression vector comprising a DNA according to claim 5.

11. An expression vector comprising a DNA according to claim 7.

31. A method according to claim 28, wherein said hek polypeptide, or said hek-L polypeptide, or both, is expressed on a cell.

32. A method according to claim 28, wherein said hek-L is in the form of an oligomer comprising at least two of said hek-L polypeptides.

33. A method according to claim 28, wherein said hek-L is attached to a diagnostic or therapeutic agent.

34. A method for binding hek, comprising contacting an hek polypeptide with a hek-L polypeptide, wherein said hek-L polypeptide is selected from the group consisting of:

- a) the hek-L protein of SEQ ID NO:2 in mature form;
 - b) a fragment of the hek-L protein of SEQ ID NO:2;
 - c) the hek-L protein of SEQ ID NO:4 in mature form; and
 - d) a fragment of the hek-L protein of SEQ ID NO:4;
- wherein said fragment binds hek.

35. A method according to claim 34, wherein said hek-L polypeptide is a purified soluble fragment of the hek-L protein of SEQ ID NO:2.

36. A method according to claim 34, wherein said hek-L polypeptide is a purified soluble fragment of the hek-L protein of SEQ ID NO:4.

37. A method according to claim 34, wherein said hek polypeptide, or said hek-L polypeptide, or both, is expressed on a cell.

38. A method according to claim 34, wherein said hek-L is in the form of an oligomer comprising at least two of said hek-L polypeptides.

39. A method according to claim 34, wherein said hek-L is attached to a diagnostic or therapeutic agent.